

DECLARATION AND POWER OF ATTORNEY

(Related Application)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

THERAPEUTIC AND DIAGNOSTIC METHODS AND COMPOSITIONS BASED ON JAGGED/NOTCH PROTEINS AND NUCLEIC ACIDS

the specification of which is attached hereto and/or was filed on _		May 24, 2000	as	
Application No	09/579,536	•		

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to herein.

I acknowledge the duty to disclose information which is material to patentability in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

FOREIGN PRIORITY APPLICATION(S)

			Priority Claimed Yes No
(Number)	(Country)	(Day/month/year filed)	_ { 100 110
			Priority Claimed
			_ [] Yes [] No
(Number)	(Country)	(Day/month/year field)	

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional patent application(s) listed below and have also identified below any United States provisional patent application(s) having a filing date before that of the application on which priority is claimed.

PROVISIONAL PRIORITY PATENT APPLICATION

		Priority Claimed
60/018, 841	May 31, 1996	[X] Yes [] No
(Application No.)	(Filing Date)	
		[] Yes [] No
(Application No.)	(Filing Date)	

I hereby claim the benefit under Title 35, United States Code, Section 120, of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or in the prior U.S. provisional application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56, which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

-2-

1-PH/1856675.1

09/199,865	November 25, 19	98 Pending
(Application Serial No.)	(Filing Date)	(Status)(patented, pending, abandoned)
PCT/US97/09407	May 30, 1997	Pending
(Application Serial No.)	(Filing Date)	(Status)(patented, pending, abandoned)

And I hereby appoint the registered attorneys and agents associated with MORGAN, LEWIS & BOCKIUS, L.L.P., Customer No. 028977, as my attorneys or agents with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Address all correspondence to Customer No. 028977, namely, MORGAN, LEWIS & BOCKIUS, L.L.P., 1701 Market Street, Philadelphia, Pennsylvania 19103. Please direct all communications and telephone calls to Kathryn Doyle, Ph.D., J.D. at (215) 963-4723.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of sole			
inventor, if any	Thomas Maciag		
Inventor's Signature	The	lun	
Date	09-63-	03	
Residence Freepon	t, Maine		
Citizenship <u>United</u>	States of America		
Post Office Address	65 Lambert Point, Free	eport, Maine 04032	

inventor, if any Ann B. Zimrin
Inventor's Signature
Date
Residence Baltimore, Maryland
Citizenship United States of America
Post Office Address 115 Witherspoon Road, Baltimore, Maryland 21212
Full name of third joint inventor, if any Deena J. Small
Inventor's Signature Small
Date 09/08/03
Residence Scarborough, Maine
Citizenship United States of America
Post Office Address 20 Westwood Avenue, Scarborough, Maine 04074
Full name of fourth joint inventor, if any Igor A. Prudovsky
Inventor's Signature
Date
Residence Old Orchard Beach, Maine
Citizenship Russia
Post Office Address 82 Cascade Road, Old Orchard Beach, Maine 04064



DECLARATION AND POWER OF ATTORNEY

(Related Application)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

THERAPEUTIC AND DIAGNOSTIC METHODS AND COMPOSITIONS BASED ON JAGGED/NOTCH PROTEINS AND NUCLEIC ACIDS

the specification	of which is attached here	to and/or was filed on _	May 24, 2000	as
Application No	09/579,536	<u> </u>		

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to herein.

I acknowledge the duty to disclose information which is material to patentability in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

FOREIGN PRIORITY APPLICATION(S)

			Priority Claimed
			[] Yes [] No
(Number)	(Country)	(Day/month/year filed)	
			Priority Claimed
			[] Yes [] No
(Number)	(Country)	(Day/month/year field)	

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional patent application(s) listed below and have also identified below any United States provisional patent application(s) having a filing date before that of the application on which priority is claimed.

PROVISIONAL PRIORITY PATENT APPLICATION

		Priority Claimed
60/018, 841	May 31, 1996	[X] Yes [] No
(Application No.)	(Filing Date)	······································
·		[] Yes [] No
(Application No.)	(Filing Date)	

I hereby claim the benefit under Title 35, United States Code, Section 120, of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or in the prior U.S. provisional application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56, which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

09/199,865	November 25, 19	Pending Pending
(Application Serial No.)	(Filing Date)	(Status)(patented, pending, abandoned)
PCT/US97/09407	May 30, 1997	Pending
(Application Serial No.)	(Filing Date)	(Status)(patented, pending, abandoned)

And I hereby appoint the registered attorneys and agents associated with MORGAN, LEWIS & BOCKIUS, L.L.P., Customer No. 028977, as my attorneys or agents with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Address all correspondence to Customer No. 028977, namely, MORGAN, LEWIS & BOCKIUS, L.L.P., 1701 Market Street, Philadelphia, Pennsylvania 19103. Please direct all communications and telephone calls to Kathryn Doyle, Ph.D., J.D. at (215) 963-4723.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of sole	TO a second distribution of the second distribut	
inventor, if any	Thomas Mactag	
Inventor's Signature _	Mh lun	
Date	09-03-03	
		
Residence Freeport	, Maine	
au. 11 xx 1. 1a		
Citizenship <u>United S</u>	States of America	
Post Office Address 6	55 Lambert Point, Freeport, Maine 04032	

inventor, if any Ann B. Zimrin
Inventor's Signature
Date 9.7-03
Residence Baltimore, Maryland
Citizenship United States of America
Post Office Address 115 Witherspoon Road, Baltimore, Maryland 21212
Full name of third joint inventor, if any Deena J. Small
Inventor's Signature
Date
Residence Scarborough, Maine
Citizenship United States of America
Post Office Address 20 Westwood Avenue, Scarborough, Maine 04074
Full name of fourth joint inventor, if any Igor A. Prudovsky
Inventor's Signature
Date 09.04.03
Residence Old Orchard Beach, Maine
Citizenship Russia
Post Office Address 82 Cascade Road Old Orchard Reach Maine 04064



DECLARATION AND POWER OF ATTORNEY

(Related Application)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

THERAPEUTIC AND DIAGNOSTIC METHODS AND COMPOSITIONS BASED ON JAGGED/NOTCH PROTEINS AND NUCLEIC ACIDS

the specification	of which is attached here	eto and/or was filed on	May 24, 2000	as
Application No	09/579,536	,		

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to herein.

I acknowledge the duty to disclose information which is material to patentability in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

FOREIGN PRIORITY APPLICATION(S)

			Priority Claimed
			_ [] Yes [] No
(Number)	(Country)	(Day/month/year filed)	
			Priority Claimed
			_ [] Yes [] No
(Number)	(Country)	(Day/month/year field)	
	I hereby claim the benefit under	Title 35, United States Code §	3119(e) of any
United States	provisional patent application(s)	listed below and have also iden	ntified below any

PROVISIONAL PRIORITY PATENT APPLICATION

United States provisional patent application(s) having a filing date before that of the application

		Priority Claimed
60/018, 841	May 31, 1996	[X] Yes [] No
(Application No.)	(Filing Date)	
		[] Yes [] No
(Application No.)	(Filing Date)	

I hereby claim the benefit under Title 35, United States Code, Section 120, of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or in the prior U.S. provisional application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56, which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

1-PH/1856675.1 -2-

on which priority is claimed.

09/199,865	November 25, 19	98 Pending
(Application Serial No.)	(Filing Date)	(Status)(patented, pending, abandoned)
PCT/US97/09407	May 30, 1997	Pending
(Application Serial No.)	(Filing Date)	(Status)(patented, pending, abandoned)

And I hereby appoint the registered attorneys and agents associated with MORGAN, LEWIS & BOCKIUS, L.L.P., Customer No. 028977, as my attorneys or agents with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Address all correspondence to Customer No. 028977, namely, MORGAN, LEWIS & BOCKIUS, L.L.P., 1701 Market Street, Philadelphia, Pennsylvania 19103. Please direct all communications and telephone calls to Kathryn Doyle, Ph.D., J.D. at (215) 963-4723.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of sole			
inventor, if any	Thomas Maciag		
Inventor's Signature	The	lun	
Date	09-63-	03	
Residence Freepo	rt, Maine		
Citizenship <u>United</u>	States of America		
Post Office Address	65 Lambert Point, Free	eport, Maine 04032	

1-PH/1856675.1

inventor, if any Ann B. Zimrin
Inventor's Signature
Date
Residence Baltimore, Maryland
Citizenship United States of America
Post Office Address 115 Witherspoon Road, Baltimore, Maryland 21212
Full name of third joint inventor, if any Deena J. Small
Inventor's Signature
Date
Residence Scarborough, Maine
Citizenship United States of America
Post Office Address 20 Westwood Avenue, Scarborough, Maine 04074
Full name of fourth joint inventor, if any Igor A. Prudovsky
Inventor's Signature
Date
Residence Old Orchard Beach, Maine
Citizenship Russia
Post Office Address 82 Cascade Road Old Orchard Beach, Maine 04064